

```

NNN      NNN      CCCCCCCCCCCC  PPPPPPPPPPPPP
NNN      NNN      CCCCCCCCCCCC  PPPPPPPPPPPPP
NNN      NNN      CCCCCCCCCCCC  PPPPPPPPPPPPP
NNN      NNN      CCC          PPP          PPP
NNN      NNN      CCC          PPP          PPP
NNN      NNN      CCC          PPP          PPP
NNNNNNN  NNN      CCC          PPP          PPP
NNNNNNN  NNN      CCC          PPP          PPP
NNNNNNN  NNN      CCC          PPP          PPP
NNN      NNN      CCC          PPPPPPPPPPPPP
NNN      NNN      CCC          PPPPPPPPPPPPP
NNN      NNN      CCC          PPPPPPPPPPPPP
NNN      NNNNNN  CCC          PPP
NNN      NNNNNN  CCC          PPP
NNN      NNNNNN  CCC          PPP
NNN      NNN      CCC          PPP
NNN      NNN      CCC          PPP
NNN      NNN      CCC          PPP
NNN      NNN      CCCCCCCCCCCC  PPP
NNN      NNN      CCCCCCCCCCCC  PPP
NNN      NNN      CCCCCCCCCCCC  PPP

```

[illegible]

```
NN      NN      CCCCCCCC PPPPPPPP SSSSSSSS TTTTTTTTTT AAAAAA CCCCCCCC NN      NN      000000
NN      NN      CCCCCCCC PPPPPPPP SSSSSSSS TTTTTTTTTT AAAAAA CCCCCCCC NN      NN      000000
NN      NN      CC      PP      PP      SS      TT      AA      AA      CC      NN      NN      00      00
NN      NN      CC      PP      PP      SS      TT      AA      AA      CC      NN      NN      00      00
NNNN      NN      CC      PP      PP      SS      TT      AA      AA      CC      NNNN      NN      00      00
NNNN      NN      CC      PP      PP      SS      TT      AA      AA      CC      NNNN      NN      00      00
NN      NN      CC      PPPPPPPP SSSSSS      TT      AA      AA      CC      NN      NN      00      00
NN      NN      CC      PPPPPPPP SSSSSS      TT      AA      AA      CC      NN      NN      00      00
NN      NN      CC      PP      SS      TT      TTTT      AAAAAAAAAA CC      NN      NN      00      00
NN      NN      CC      PP      SS      TT      TTTT      AAAAAAAAAA CC      NN      NN      00      00
NN      NN      CC      PP      SS      TT      TT      AA      AA      CC      NN      NN      00      00
NN      NN      CC      PP      SS      TT      TT      AA      AA      CC      NN      NN      00      00
NN      NN      CC      PP      SS      TT      TT      AA      AA      CC      NN      NN      00      00
NN      NN      CCCCCCCC PP      SSSSSSSS      TT      AA      AA      CCCCCCCC NN      NN      000000
NN      NN      CCCCCCCC PP      SSSSSSSS      TT      AA      AA      CCCCCCCC NN      NN      000000
```

```
LL      IIIIII SSSSSSSS
LL      IIIIII SSSSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SSSSSS
LL      II      SSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LLLLLLLLLL IIIIII SSSSSSSS
LLLLLLLLLL IIIIII SSSSSSSS
```

.....

```
0001 0 %TITLE 'Clear/Purge Node Parse States and Data'
0002 0 MODULE NCPSTACNO (IDENT = 'V04-000', LIST(NOOBJECT)) =
0003 1 BEGIN
0004 1
0005 1
0006 1 *****
0007 1 *
0008 1 *   COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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0023 1 *   DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0024 1 *   SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0025 1 *
0026 1 *****
0027 1
0028 1
0029 1
0030 1 ++
0031 1 FACILITY:      Network Control Program (NCP)
0032 1
0033 1 ABSTRACT:
0034 1
0035 1     States and data for the parsing of NCP clear and purge node command
0036 1
0037 1 ENVIRONMENT:   VAX/VMS Operating System
0038 1
0039 1 AUTHOR:        Bob Grosso,      CREATION DATE: 13-July-82
0040 1
0041 1 MODIFIED BY:
0042 1
0043 1     V03-004 PRD0042      Paul R. DeStefano      05-Jan-1984
0044 1     Add SERVICE NODE VERSION parameter.
0045 1
0046 1     V03-003 TMH0003      Tim Halvorsen          13-Jul-1983
0047 1     Add EXECUTOR ALIAS parameter
0048 1
0049 1     V03-002 RPG0002      Bob Grosso              25-Feb-1983
0050 1     Add CLEAR EXEC FORWARDING BUFFER SIZE.
0051 1
0052 1     V03-001 RPG0001      Bob Grosso              22-Sep-1982
0053 1     Fix BROADCAST in MAX BROADCAST to be a noise word.
0054 1
0055 1 --
```



NCPSTACNO  
V04-000

Clear/Purge Node Parse States and Data  
Definitions

D 12  
16-Sep-1984 00:16:58  
14-Sep-1984 12:48:18

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[NCP.SRC]NCPSTACNO.B32;1

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```

: 57      0056 1 %SBTTL 'Definitions'
: 58      0057 1
: 59      0058 1
: 60      0059 1  INCLUDE FILES:
: 61      0060 1
: 62      0061 1
: 63      0062 1      LIBRARY 'LIB$:NMALIBRY';
: 64      0063 1      LIBRARY 'LIB$:NCPLIBRY';
: 65      0064 1      LIBRARY 'SYSS$LIBRARY:TPAMAC';
: 66      0065 1
: 67      0066 1
: 68      0067 1  EXTERNAL REFERENCES:
: 69      0068 1
: 70      0069 1
: 71      0070 1      ACT_DFN
: 72      0071 1

```

! External symbols for action routines

```
.. 74 0072 1 %SBTTL 'Parameter blocks'
.. 75 0073 1
.. 76 0074 1
.. 77 0075 1 BIND DATA:
.. 78 0076 1
.. 79 0077 1
.. 80 0078 1
.. 81 0079 1 Parameter blocks for node & executor parameters
.. 82 0080 1
.. 83 0081 1
.. 84 P 0082 1 BUILD_PCL
.. 85 P 0083 1
.. 86 P 0084 1 (CNO,
.. 87 P 0085 1
.. 88 P 0086 1 STA, LITB, PCNO_STA,
.. 89 P 0087 1 ID, LITB, PCNO_IDE,
.. 90 P 0088 1 SLI, LITB, PCNO_SLI,
.. 91 P 0089 1 SPW, LITB, PCNO_SPA,
.. 92 P 0090 1 SDV, LITB, PCNO_SDV,
.. 93 P 0091 1 CPU, LITB, PCNO_CPU,
.. 94 P 0092 1 SNV, LITB, PCNO_SNV,
.. 95 P 0093 1 HWA, LITB, PCNO_HWA,
.. 96 P 0094 1 LFL, LITB, PCNO_LOA,
.. 97 P 0095 1 SLF, LITB, PCNO_SLO,
.. 98 P 0096 1 TLF, LITB, PCNO_TLO,
.. 99 P 0097 1 DGF, LITB, PCNO_DFL,
100 P 0098 1 STY, LITB, PCNO_STY,
101 P 0099 1 SID, LITB, PCNO_SID,
102 P 0100 1 DFL, LITB, PCNO_DUM,
103 P 0101 1 SDF, LITB, PCNO_SDU,
104 P 0102 1 DAD, LITB, PCNO_DAD,
105 P 0103 1 DCT, LITB, PCNO_DCT,
106 P 0104 1 HOS, LITB, PCNO_IHO,
107 P 0105 1 CTM, LITB, PCNO_CTI,
108 P 0106 1 NAM, LITB, PCNO_NNA,
109 P 0107 1 LIN, LITB, PCNO_NLI,
110 P 0108 1 ADR, LITB, PCNO_ADD,
111 P 0109 1 INT, LITB, PCNO_ITI,
112 P 0110 1 OTM, LITB, PCNO_OTI,
113 P 0111 1 MLK, LITB, PCNO_MLK,
114 P 0112 1 DFC, LITB, PCNO_DFA,
115 P 0113 1 DWT, LITB, PCNO_DWE,
116 P 0114 1 IAT, LITB, PCNO_IAT,
117 P 0115 1 RFC, LITB, PCNO_RFA,
118 P 0116 1 TYP, LITB, PCNO_ETY,
119 P 0117 1 RTM, LITB, PCNO_RTI,
120 P 0118 1 SAD, LITB, PCNO_SAD,
121 P 0119 1 BRT, LITB, PCNO_BRT,
122 P 0120 1 MAD, LITB, PCNO_MAD,
123 P 0121 1 MLN, LITB, PCNO_MLN,
124 P 0122 1 MCO, LITB, PCNO_MCO,
125 P 0123 1 MHP, LITB, PCNO_MHO,
126 P 0124 1 MVS, LITB, PCNO_MVI,
127 P 0125 1 MAR, LITB, PCNO_MAR,
128 P 0126 1 MBE, LITB, PCNO_MBE,
129 P 0127 1 MBR, LITB, PCNO_MBR,
.. 130 P 0128 1 AMC, LITB, PCNO_AMC,
```

NCPSTACNO  
V04-000

Clear/Purge Node Parse States and Data  
Parameter blocks

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[NCP.SRC]NCPSTACNO.832;1

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```
.. 131 P 0129 1 AMH, LITB, PCNO-AMH, .
.. 132 P 0130 1 MBF, LITB, PCNO-MBU, .
.. 133 P 0131 1 BSZ, LITB, PCNO-BUS, .
.. 134 P 0132 1 FBS, LITB, PCNO-FBS, .
.. 135 P 0133 1 SBS, LITB, PCNO-SBS, .
.. 136 P 0134 1 RPW, LITB, PCNO-RPA, .
.. 137 P 0135 1 TPW, LITB, PCNO-TPA, .
.. 138 P 0136 1 NAC, LITB, PCNO-NAC, .
.. 139 P 0137 1 NPW, LITB, PCNO-NPW, .
.. 140 P 0138 1 NUS, LITB, PCNO-NUS, .
.. 141 P 0139 1 PAC, LITB, PCNO-PAC, .
.. 142 P 0140 1 PPW, LITB, PCNO-PPW, .
.. 143 P 0141 1 PUS, LITB, PCNO-PUS, .
.. 144 P 0142 1 ACC, LITB, PCNO-ACC, .
.. 145 P 0143 1 DAC, LITB, PCNO-DAC, .
.. 146 P 0144 1 PIQ, LITB, PCNO-PIQ, .
.. 147 P 0145 1 ALI, LITB, PCNO-ALI, .
.. 148 P 0146 1 PRX, LITB, PCNO-PRX, .
.. 149 P 0147 1 DPX, LITB, PCNO-DPX, .
.. 150 P 0148 1
.. 151 P 0149 1 , END, . .
.. 152 P 0150 1
.. 153 0151 1 )
```



155	0152	1	
156	P 0153	1	BUILD_PBK
157	P 0154	1	
158	P 0155	1	(CNO,
159	P 0156	1	
160	P 0157	1	ALL, LITB, 0, VRB_ALL,
161	P 0158	1	ENT, NADR, VRB_ENT,
162	P 0159	1	STA, LITB, 0,
163	P 0160	1	ID, LITB, 0,
164	P 0161	1	SLI, LITB, 0,
165	P 0162	1	SPW, LITB, 0,
166	P 0163	1	SDV, LITB, 0,
167	P 0164	1	SNV, LITB, 0,
168	P 0165	1	CPU, LITB, 0,
169	P 0166	1	HWA, LITB, 0,
170	P 0167	1	LFL, LITB, 0,
171	P 0168	1	SLF, LITB, 0,
172	P 0169	1	TLF, LITB, 0,
173	P 0170	1	DGF, LITB, 0,
174	P 0171	1	STY, LITB, 0,
175	P 0172	1	SID, LITB, 0,
176	P 0173	1	DFL, LITB, 0,
177	P 0174	1	SDF, LITB, 0,
178	P 0175	1	DAD, LITB, 0,
179	P 0176	1	DCT, LITB, 0,
180	P 0177	1	HOS, LITB, 0,
181	P 0178	1	HOE, LITB, 0, CNO_HOS,
182	P 0179	1	CTM, LITB, 0,
183	P 0180	1	CTE, LITB, 0, CNO_CTM,
184	P 0181	1	NAM, LITB, 0,
185	P 0182	1	NAE, LITB, 0, CNO_NAM,
186	P 0183	1	LIN, LITB, 0,
187	P 0184	1	ADR, LITB, 0,
188	P 0185	1	INT, LITB, 0,
189	P 0186	1	OTM, LITB, 0,
190	P 0187	1	MLK, LITB, 0,
191	P 0188	1	DFC, LITB, 0,
192	P 0189	1	DWT, LITB, 0,
193	P 0190	1	IAT, LITB, 0,
194	P 0191	1	RFC, LITB, 0,
195	P 0192	1	TYP, LITB, 0,
196	P 0193	1	RTM, LITB, 0,
197	P 0194	1	SAD, LITB, 0,
198	P 0195	1	BRT, LITB, 0,
199	P 0196	1	MAD, LITB, 0,
200	P 0197	1	MLN, LITB, 0,
201	P 0198	1	MCO, LITB, 0,
202	P 0199	1	MHP, LITB, 0,
203	P 0200	1	MVS, LITB, 0,
204	P 0201	1	MAR, LITB, 0,
205	P 0202	1	MBE, LITB, 0,
206	P 0203	1	MBR, LITB, 0,
207	P 0204	1	AMC, LITB, 0,
208	P 0205	1	AMH, LITB, 0,
209	P 0206	1	MBF, LITB, 0,
210	P 0207	1	BSZ, LITB, 0,
211	P 0208	1	FBS, LITB, 0,

NCPSTACNO  
V04-000

Clear/Purge Node Parse States and Data  
Parameter blocks

H 12  
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14-Sep-1984 12:48:18

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[NCP.SRC]NCPSTACNO.B32;1

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..	212	P	0209	1	SBS, LITB, 0, .
..	213	P	0210	1	RPW, LITB, 0, .
..	214	P	0211	1	TPW, LITB, 0, .
..	215	P	0212	1	NAC, LITB, 0, .
..	216	P	0213	1	NPW, LITB, 0, .
..	217	P	0214	1	NUS, LITB, 0, .
..	218	P	0215	1	PAC, LITB, 0, .
..	219	P	0216	1	PPW, LITB, 0, .
..	220	P	0217	1	PUS, LITB, 0, .
..	221	P	0218	1	ACC, LITB, 0, .
..	222	P	0219	1	DAC, LITB, 0, .
..	223	P	0220	1	PRX, LITB, 0, .
..	224	P	0221	1	DPX, LITB, 0, .
..	225	P	0222	1	PIQ, LITB, 0, .
..	226	P	0223	1	ALI, LITB, 0, .
..	227	P	0224	1	
..	228		0225	1	)



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Clear/Purge Node Parse States and Data  
Parameter blocks

I 12  
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VAX-11 Bliss-32 V4.0-742  
[NCP.SRC]NCPSTACNO.B32;1

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230		0226	1	
231	P	0227	1	BUILD_PBK
232	P	0228	1	(CEX,
233	P	0229	1	
234	P	0230	1	ENT, LITL, 0, VRB_ENT,
235	P	0231	1	
236		0232	1	)
237		0233	1	
238		0234	1	
239		0235	1	
240		0236	1	Executor and Node SDB
241		0237	1	
242		0238	1	
243	P	0239	1	BUILD_SDB
244	P	0240	1	
245		0241	1	(CNO, NMASC_ENT_NOD, VRB_ENT, CNO)
246		0242	1	

```
248 0243 1 %SBTTL 'Prompt strings'
249 0244 1
250 0245 1
251 0246 1 Build prompt strings
252 0247 1
253 0248 1
254 0249 1 BIND
255 0250 1
256 0251 1 PROMPT_STRINGS
257 0252 1 (CNO,
258 0253 1
259 0254 1 CTM, 'Counter timer (Y, N): ',
260 0255 1 CTE, 'Counter timer (Y, N): ',
261 0256 1 HOS, 'Host node ID (Y, N): ',
262 0257 1 HOE, 'Host node ID (Y, N): ',
263 0258 1 ID, 'System ID string (Y, N): ',
264 0259 1 ACC, 'Link access (Y, N): ',
265 0260 1 PRX, 'Proxy access (Y, N): ',
266 0261 1 PIQ, 'Pipeline quota (Y, N): ',
267 0262 1
268 0263 1 );
269 0264 1
270 0265 1
271 P 0266 1 PROMPT_STRINGS
272 P 0267 1 (CNO,
273 P 0268 1
274 P 0269 1 ALL, 'All parameters (Y, N): ',
275 P 0270 1 SDV, 'Service device (Y, N): ',
276 P 0271 1 CPU, 'Processor type (Y, N): ',
277 P 0272 1 STY, 'Software type (Y, N): ',
278 P 0273 1 SID, 'Software id (Y, N): ',
279 P 0274 1 DAD, 'Dump address (Y, N): ',
280 P 0275 1 DCT, 'Dump count (Y, N): ',
281 P 0276 1 DFL, 'Dump file (Y, N): ',
282 P 0277 1 LIN, 'Associated line (Y, N): ',
283 P 0278 1 LFL, 'Load file (Y, N): ',
284 P 0279 1 RPW, 'Receive password (Y, N): ',
285 P 0280 1 SDF, 'Secondary dumper (Y, N): ',
286 P 0281 1 SLF, 'Secondary loader (Y, N): ',
287 P 0282 1 SLI, 'Service line (Y, N): ',
288 P 0283 1 SPW, 'Service password (Y, N): ',
289 P 0284 1 SNV, 'Service node version (Y, N): ',
290 P 0285 1 TLF, 'Tertiary loader (Y, N): ',
291 P 0286 1 TPW, 'Transmit password (Y, N): ',
292 P 0287 1
293 P 0288 1 NAC, 'Non-priv account (Y, N): ',
294 P 0289 1 NPW, 'Non-priv password (Y, N): ',
295 P 0290 1 NUS, 'Non-priv user ID (Y, N): ',
296 P 0291 1 PAC, 'Priv account (Y, N): ',
297 P 0292 1 PPW, 'Priv password (Y, N): ',
298 P 0293 1 PUS, 'Priv user ID (Y, N): ',
299 P 0294 1 DAC, 'Default link access (Y, N): ',
300 P 0295 1 DPX, 'Default proxy access (Y, N): ',
301 P 0296 1
302 P 0297 1 ENT, 'Node ID (node-name, node-address): ',
303 P 0298 1
304 0299 1 );
```

```
.. 306      0300 1 %SBTTL 'Clear/Purge Executor'
.. 307      0301 1
.. 308      0302 1
.. 309      0303 1
.. 310      0304 1
.. 311      0305 1
.. 312      0306 1 $INIT_STATE (NCP$G_STTBL_CEX, NCP$G_KYTBL_CEX);
.. 313      0307 1
.. 314      P 0308 1 $STATE (ST_CEX,
.. 315      P 0309 1 (TPAS_LAMBDA, , ACT$SAVPRM, , , PBK$G_CEX_ENT)
.. 316      0310 1 );
.. 317      0311 1
.. 318      P 0312 1 $STATE (
.. 319      P 0313 1 (TPAS_EOS),
.. 320      P 0314 1 ( (ST_CNO_PRC), ST_CEX_DOIT)
.. 321      0315 1 );
.. 322      0316 1
.. 323      P 0317 1 $STATE (
.. 324      0318 1 (TPAS_LAMBDA, ST_CNO_PMT_ALL));
.. 325      0319 1 ! Use NODE prompting
.. 326      P 0320 1 $STATE (ST_CEX_DOIT,
.. 327      P 0321 1 (TPAS_LAMBDA, ST_CNO_DOIT)
.. 328      0322 1 );
```



```
330 0323 1 %SBTTL 'Clear/Purge Nodes'
331 0324 1
332 0325 1
333 0326 1
334 0327 1
335 0328 1
336 0329 1 $INIT_STATE (NCP$G_STTBL_CNO, NCP$G_KYTBL_CNO);
337 0330 1
338 0331 1
339 0332 1
340 0333 1
341 0334 1
342 0335 1
343 P 0336 1 $STATE (ST_CNO,
344 P 0337 1 (TPAS_EOS),
345 P 0338 1 ( (ST_CNO_PRC), ST_CNO_DOIT)
346 0339 1 );
347 0340 1
348 P 0341 1 QUERY_STATES ! Query for node parameters
349 P 0342 1 (CNO,
350 P 0343 1
351 P 0344 1 ALL
352 P 0345 1
353 0346 1 )
354 0347 1
355 P 0348 1 $STATE (ST_CNO_DOIT, ! Perform the function
356 P 0349 1 (TPAS_LAMBDA, , , NMAC_ENT_NOD, NCP$GL_OPTION, )
357 0350 1 );
358 0351 1
359 P 0352 1 $STATE (
360 P 0353 1 (TPAS_EOS, TPAS_EXIT, ACT$VRB_UTILITY, , , SDB$G_CNO)
361 0354 1 );
362 0355 1
```

```
364 0356 1 %SBTTL 'Node Dispatch States'
365 0357 1
366 0358 1
367 0359 1
368 0360 1
369 0361 1
370 P 0362 1 $STATE (ST_CNO_PRC,
371 P 0363 1
372 P 0364 1 DISPATCH_STATES
373 P 0365 1 (CNO,
374 P 0366 1
375 P 0367 1 ACC, 'ACCESS',
376 P 0368 1 ADR, 'ADDRESS',
377 P 0369 1 ALI, 'ALIAS',
378 P 0370 1 ALL, 'ALL',
379 P 0371 1 ARE, 'AREA',
380 P 0372 1 BRO, 'BROADCAST',
381 P 0373 1 BSZ, 'BUFFER',
382 P 0374 1 MCO, 'COST',
383 P 0375 1 CTM, 'COUNTER',
384 P 0376 1 CPU, 'CPU',
385 P 0377 1 DEF, 'DEFAULT',
386 P 0378 1 DLY, 'DELAY',
387 P 0379 1 DGF, 'DIAGNOSTIC',
388 P 0380 1 DUM, 'DUMP',
389 P 0381 1 FOR, 'FORWARDING',
390 P 0382 1 HWA, 'HARDWARE',
391 P 0383 1 MHP, 'HOPS',
392 P 0384 1 HOS, 'HOST',
393 P 0385 1 ID, 'IDENTIFICATION',
394 P 0386 1 IAT, 'INACTIVITY',
395 P 0387 1 INT, 'INCOMING',
396 P 0388 1 LIN, 'CIRCUIT',
397 P 0389 1 LFL, 'LOAD',
398 P 0390 1 MLK, 'LINKS',
399 P 0391 1 MAX, 'MAXIMUM',
400 P 0392 1 NAM, 'NAME',
401 P 0393 1 NPR, 'NONPRIVILEGED',
402 P 0394 1 OTM, 'OUTGOING',
403 P 0395 1 PIQ, 'PIPELINE',
404 P 0396 1 PRV, 'PRIVILEGED',
405 P 0397 1 PRX, 'PROXY',
406 P 0398 1 RPW, 'RECEIVE',
407 P 0399 1 RFC, 'RETRANSMIT',
408 P 0400 1 RTM, 'ROUTING',
409 P 0401 1 SEC, 'SECONDARY',
410 P 0402 1 SEG, 'SEGMENT',
411 P 0403 1 SOF, 'SOFTWARE',
412 P 0404 1 SVC, 'SERVICE',
413 P 0405 1 STA, 'STATE',
414 P 0406 1 SAD, 'SUBADDRESSES',
415 P 0407 1 TLF, 'TERTIARY',
416 P 0408 1 TPW, 'TRANSMIT',
417 P 0409 1 TYP, 'TYPE',
418 P 0410 1 MVS, 'VISITS',
419 P 0411 1
420 P 0412 1 )
```

NCPSTACNO  
V04-000

Clear/Purge Node Parse States and Data  
Node Dispatch States

N 12  
16-Sep-1984 00:16:58  
14-Sep-1984 12:48:18

VAX-11 Bliss-32 V4.0-742  
[NCP.SRC]NCPSTACNO.B32;1

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:	421	P	0413	1	
:	422	P	0414	1	
:	423		0415	1	(TPAS_EOS, TPAS_EXIT)



```
.. 425      0416 1  %SBTTL  'Node Process States'
.. 426      0417 1
.. 427      0418 1
.. 428      0419 1
.. 429      0420 1
.. 430      0421 1
.. 431      P 0422 1
.. 432      P 0423 1
.. 433      P 0424 1
.. 434      P 0425 1
.. 435      P 0426 1
.. 436      P 0427 1
.. 437      P 0428 1
.. 438      P 0429 1
.. 439      P 0430 1
.. 440      P 0431 1
.. 441      P 0432 1
.. 442      P 0433 1
.. 443      P 0434 1
.. 444      P 0435 1
.. 445      P 0436 1
.. 446      P 0437 1
.. 447      P 0438 1
.. 448      P 0439 1
.. 449      P 0440 1
.. 450      P 0441 1
.. 451      P 0442 1
.. 452      P 0443 1
.. 453      P 0444 1
.. 454      P 0445 1
.. 455      P 0446 1
.. 456      P 0447 1
.. 457      P 0448 1
.. 458      P 0449 1
.. 459      P 0450 1
.. 460      P 0451 1
.. 461      P 0452 1
.. 462      P 0453 1
.. 463      P 0454 1
.. 464      P 0455 1
.. 465      P 0456 1
.. 466      P 0457 1
.. 467      P 0458 1
.. 468      P 0459 1
.. 469      P 0460 1
.. 470      P 0461 1
.. 471      P 0462 1
.. 472      P 0463 1
.. 473      P 0464 1
.. 474      P 0465 1
.. 475      P 0466 1
.. 476      P 0467 1
.. 477      P 0468 1
.. 478      P 0469 1
.. 479      P 0470 1
.. 480      P 0471 1
.. 481      P 0472 1
```

Process states

PROCESS\_STATES  
(CNO,

ADR, .  
AMC, .  
AMH, .  
BSZ, 'SIZE',  
CTM, 'TIMER',  
DFC, .  
DWT, .  
HOS, .  
ID, .  
IAT, 'TIMER',  
INT, 'TIMER',  
MAD, .  
MAR, .  
MBE, .  
MBF, .  
MBR, .  
MCO, .  
MHP, .  
MLN, .  
MLK, .  
MVS, .  
NAM, .  
OTM, 'TIMER',  
RFC, 'FACTOR',  
RTM, 'TIMER',  
SAD, .  
SNV, 'VERSION',  
STA, .  
TYP, .

ALL, .  
BRT, 'TIMER',  
CPU, .  
DAD, .  
DCT, .  
DFL, .  
DGF, 'FILE',  
HWA, 'ADDRESS',  
LIN, .  
LFL, 'FILE',  
RPW, 'PASSWORD',  
FBS, 'SIZE',  
SBS, 'SIZE',  
SID, .  
SLF, .  
SDF, .  
SDV, .  
STY, .

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Clear/Purge Node Parse States and Data  
Node Process States

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482	P	0473	1	SPW.	,
483	P	0474	1	SLI.	,
484	P	0475	1	TLF.	'LOADER'
485	P	0476	1	TPW.	'PASSWORD'
486	P	0477	1	ACC.	,
487	P	0478	1	DAC.	,
488	P	0479	1	PIQ.	'QUOTA'
489	P	0480	1	ALI.	'ADDRESS'
490	P	0481	1	PRX.	,
491	P	0482	1	DPX.	,
492	P	0483	1		
493		0484	1	)	
494		0485	1		

```
496 0486 1
497 P 0487 1 $STATE (ST_CNO_PRC_ARE, ! AREA keyword dispatch
498 P 0488 1
499 P 0489 1 ('MAXIMUM'),
500 P 0490 1 (TPAS_LAMBDA)
501 0491 1 );
502 0492 1
503 P 0493 1 $STATE (
504 P 0494 1 ('COST', ST_CNO_PRC_AMC),
505 P 0495 1 ('HOPS', ST_CNO_PRC_AMH)
506 0496 1 );
507 0497 1
508 0498 1
509 P 0499 1 $STATE (ST_CNO_PRC_BRO, ! BROADCAST keyword dispatch
510 P 0500 1
511 P 0501 1 ('ROUTING', ST_CNO_PRC_BRT), ! routing is a noise word
512 P 0502 1 ('TIMER', ST_CNO_PRC_BRT), ! timer is a noise word
513 P 0503 1 (TPAS_LAMBDA, ST_CNO_PRC_BRT)
514 0504 1 );
515 0505 1
516 0506 1
517 P 0507 1 $STATE (ST_CNO_PRC_MAX, ! MAXIMUM keyword dispatch
518 P 0508 1
519 P 0509 1 ('BROADCAST'), ! Make a noise word of the BROADCAST
520 P 0510 1 (TPAS_LAMBDA) ! in MAX BROADCAST ROUTERS/NONROUTERS
521 0511 1 );
522 0512 1
523 P 0513 1 $STATE (,
524 P 0514 1
525 P 0515 1 DISPATCH_STATES
526 P 0516 1 (CNO,
527 P 0517 1
528 P 0518 1 MAD, 'ADDRESS',
529 P 0519 1 MAR, 'AREA',
530 P 0520 1 MBF, 'BUFFERS',
531 P 0521 1 MCO, 'COST',
532 P 0522 1 MHP, 'HOPS',
533 P 0523 1 MLN, 'CIRCUITS',
534 P 0524 1 MLK, 'LINKS',
535 P 0525 1 MBE, 'NONROUTERS',
536 P 0526 1 MBR, 'ROUTERS',
537 P 0527 1 MVS, 'VISITS',
538 0528 1
539 0529 1 ));
540 0530 1
541 P 0531 1 $STATE (ST_CNO_PRC_DLY, ! DELAY keyword dispatch
542 P 0532 1
543 P 0533 1 DISPATCH_STATES
544 P 0534 1 (CNO,
545 P 0535 1
546 P 0536 1 DFC, 'FACTOR',
547 P 0537 1 DWT, 'WEIGHT',
548 0538 1
549 0539 1 ));
550 0540 1
551 P 0541 1 $STATE (ST_CNO_PRC_SVC, ! SERVICE keyword dispatch
552 P 0542 1
```



```
553 P 0543 1 DISPATCH_STATES
554 P 0544 1 (CNO,
555 P 0545 1
556 P 0546 1 SDV, 'DEVICE',
557 P 0547 1 SLI, 'CIRCUIT',
558 P 0548 1 SNV, 'NODE',
559 P 0549 1 SPW, 'PASSWORD',
560 P 0550 1
561 P 0551 1 ));
562 P 0552 1
563 P 0553 1 $STATE (ST_CNO_PRC_SEC, ! SECONDARY keyword dispatch
564 P 0554 1
565 P 0555 1 DISPATCH_STATES
566 P 0556 1 (CNO,
567 P 0557 1
568 P 0558 1 SDF, 'DUMPER',
569 P 0559 1 SLF, 'LOADER',
570 P 0560 1
571 P 0561 1 );
572 P 0562 1
573 P 0563 1 $STATE (ST_CNO_PRC_FOR, ! FORWARDING keyword dispatch
574 P 0564 1
575 P 0565 1 ('BUFFER', ST_CNO_PRC_FBS), ! buffer is a noise word
576 P 0566 1 ('SIZE', ST_CNO_PRC_FBS), ! size is a noise word
577 P 0567 1 (TPAS_LAMBDA, ST_CNO_PRC_FBS)
578 P 0568 1 );
579 P 0569 1
580 P 0570 1 $STATE (ST_CNO_PRC_SEG, ! SEGMENT keyword dispatch
581 P 0571 1
582 P 0572 1 ('BUFFER', ST_CNO_PRC_SBS), ! buffer is a noise word
583 P 0573 1 ('SIZE', ST_CNO_PRC_SBS), ! size is a noise word
584 P 0574 1 (TPAS_LAMBDA, ST_CNO_PRC_SBS)
585 P 0575 1 );
586 P 0576 1
587 P 0577 1 $STATE (ST_CNO_PRC_DUM, ! DUMP keyword dispatch
588 P 0578 1
589 P 0579 1 DISPATCH_STATES
590 P 0580 1 (CNO,
591 P 0581 1
592 P 0582 1 DFL, 'FILE',
593 P 0583 1 DAD, 'ADDRESS',
594 P 0584 1 DCT, 'COUNT',
595 P 0585 1
596 P 0586 1 ));
597 P 0587 1
598 P 0588 1 $STATE (ST_CNO_PRC_SOF, ! SOFTWARE keyword dispatch
599 P 0589 1
600 P 0590 1 DISPATCH_STATES
601 P 0591 1 (CNO,
602 P 0592 1
603 P 0593 1 SID, 'IDENTIFICATION',
604 P 0594 1 STY, 'TYPE',
605 P 0595 1
606 P 0596 1 ));
607 P 0597 1
608 P 0598 1 $STATE (ST_CNO_PRC_DEF, ! DEFAULT keyword dispatch
609 P 0599 1
```

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Clear/Purge Node Parse States and Data  
Node Process States

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```
: 610      P 0600 1      DISPATCH_STATES
: 611      P 0601 1      (CNO,
: 612      P 0602 1
: 613      P 0603 1      DAC, 'ACCESS',
: 614      P 0604 1      DPX, 'PROXY',
: 615      P 0605 1
: 616      0606 1      ));
```

```
618 0607 1
619 0608 1
620 0609 1
621 0610 1
622 0611 1
623 P 0612 1 $STATE (ST_CNO_PRC_NPR,
624 P 0613 1 ('ACCOUNT', ST_CNO_PRC_NAC),
625 P 0614 1 ('PASSWORD', ST_CNO_PRC_NPW),
626 P 0615 1 ('USER', ST_CNO_PRC_NUS),
627 P 0616 1 (TPAS_LAMBDA, ST_CNO_PRC);
628 0617 1
629 0618 1
630 P 0619 1 $STATE (ST_CNO_PRC_NAC,
631 P 0620 1 ( (ST_CNO_NAC), ST_CNO_PRC_NPR)
632 0621 1);
633 P 0622 1
634 P 0623 1 $STATE (ST_CNO_PRC_NPW,
635 P 0624 1 ( (ST_CNO_NPW), ST_CNO_PRC_NPR)
636 0625 1);
637 0626 1
638 P 0627 1 $STATE (ST_CNO_PRC_NUS,
639 P 0628 1 ( (ST_CNO_NUS), ST_CNO_PRC_NPR)
640 0629 1);
641 0630 1
642 0631 1
643 0632 1
644 0633 1
645 0634 1
646 P 0635 1 $STATE (ST_CNO_PRC_PRV,
647 P 0636 1 ('ACCOUNT', ST_CNO_PRC_PAC),
648 P 0637 1 ('PASSWORD', ST_CNO_PRC_PPW),
649 P 0638 1 ('USER', ST_CNO_PRC_PUS),
650 P 0639 1 (TPAS_LAMBDA, ST_CNO_PRC);
651 0640 1);
652 0641 1
653 P 0642 1 $STATE (ST_CNO_PRC_PAC,
654 P 0643 1 ( (ST_CNO_PAC), ST_CNO_PRC_PRV)
655 0644 1);
656 0645 1
657 P 0646 1 $STATE (ST_CNO_PRC_PPW,
658 P 0647 1 ( (ST_CNO_PPW), ST_CNO_PRC_PRV)
659 0648 1);
660 0649 1
661 P 0650 1 $STATE (ST_CNO_PRC_PUS,
662 P 0651 1 ( (ST_CNO_PUS), ST_CNO_PRC_PRV)
663 0652 1);
```

Process states for nonprivileged parameters

Process states for privileged parameters



```

665      0653 1 XSBTTL 'Node Subexpression States'
666      0654 1
667      0655 1
668      0656 1
669      0657 1
670      0658 1
671      0659 1
672      0660 1
673      0661 1
674      0662 1
675      P 0663 1
676      P 0664 1
677      P 0665 1
678      P 0666 1
679      P 0667 1
680      P 0668 1
681      P 0669 1
682      P 0670 1
683      P 0671 1
684      P 0672 1
685      P 0673 1
686      P 0674 1
687      P 0675 1
688      P 0676 1
689      P 0677 1
690      P 0678 1
691      P 0679 1
692      P 0680 1
693      P 0681 1
694      P 0682 1
695      P 0683 1
696      P 0684 1
697      P 0685 1
698      P 0686 1
699      P 0687 1
700      P 0688 1
701      P 0689 1
702      P 0690 1
703      P 0691 1
704      P 0692 1
705      P 0693 1
706      P 0694 1
707      P 0695 1
708      P 0696 1
709      P 0697 1
710      P 0698 1
711      P 0699 1
712      P 0700 1
713      P 0701 1
714      P 0702 1
715      P 0703 1
716      P 0704 1
717      P 0705 1
718      P 0706 1
719      P 0707 1
720      P 0708 1
721      P 0709 1

Subexpression states

Build sub-expressions to capture parameters

SUB EXPRESSIONS
(CND,

ADR, TPAS_LAMBDA,
AMC, TPAS_LAMBDA,
AMH, TPAS_LAMBDA,
BRT, TPAS_LAMBDA,
BSZ, TPAS_LAMBDA,
CTM, TPAS_LAMBDA,
CTE, TPAS_LAMBDA,
DFC, TPAS_LAMBDA,
DWT, TPAS_LAMBDA,
DGF, TPAS_LAMBDA,
HWA, TPAS_LAMBDA,
HOS, TPAS_LAMBDA,
HOE, TPAS_LAMBDA,
ID, TPAS_LAMBDA,
IAT, TPAS_LAMBDA,
INT, TPAS_LAMBDA,
MAD, TPAS_LAMBDA,
MBF, TPAS_LAMBDA,
MCO, TPAS_LAMBDA,
MHP, TPAS_LAMBDA,
MLN, TPAS_LAMBDA,
MLK, TPAS_LAMBDA,
MAR, TPAS_LAMBDA,
MBE, TPAS_LAMBDA,
MBR, TPAS_LAMBDA,
MVS, TPAS_LAMBDA,
NAM, TPAS_LAMBDA,
NAE, TPAS_LAMBDA,
OTM, TPAS_LAMBDA,
RFC, TPAS_LAMBDA,
RTM, TPAS_LAMBDA,
SAD, TPAS_LAMBDA,
FBS, TPAS_LAMBDA,
SBS, TPAS_LAMBDA,
STA, TPAS_LAMBDA,
TYP, TPAS_LAMBDA,

ALL, TPAS_EOS,
CPU, TPAS_LAMBDA,
DAD, TPAS_LAMBDA,
DCT, TPAS_LAMBDA,
DFL, TPAS_LAMBDA,
LIN, TPAS_LAMBDA,
LFL, TPAS_LAMBDA,
```

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Clear/Purge Node Parse States and Data  
Node Subexpression States

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```
: 722      P 0710 1      RPW, TPAS_LAMBDA,  
: 723      P 0711 1      SDV, TPAS_LAMBDA,  
: 724      P 0712 1      SID, TPAS_LAMBDA,  
: 725      P 0713 1      SLI, TPAS_LAMBDA,  
: 726      P 0714 1      SNV, TPAS_LAMBDA,  
: 727      P 0715 1      SPW, TPAS_LAMBDA,  
: 728      P 0716 1      SDF, TPAS_LAMBDA,  
: 729      P 0717 1      SLF, TPAS_LAMBDA,  
: 730      P 0718 1      STY, TPAS_LAMBDA,  
: 731      P 0719 1      TLF, TPAS_LAMBDA,  
: 732      P 0720 1      TPW, TPAS_LAMBDA,  
: 733      P 0721 1      NAC, TPAS_LAMBDA,  
: 734      P 0722 1      NPW, TPAS_LAMBDA,  
: 735      P 0723 1      NUS, TPAS_LAMBDA,  
: 736      P 0724 1      PAC, TPAS_LAMBDA,  
: 737      P 0725 1      PPW, TPAS_LAMBDA,  
: 738      P 0726 1      PUS, TPAS_LAMBDA,  
: 739      P 0727 1      ACC, TPAS_LAMBDA,  
: 740      P 0728 1      DAC, TPAS_LAMBDA,  
: 741      P 0729 1      PIQ, TPAS_LAMBDA,  
: 742      P 0730 1      ALI, TPAS_LAMBDA,  
: 743      P 0731 1      PRX, TPAS_LAMBDA,  
: 744      P 0732 1      DPX, TPAS_LAMBDA,  
: 745      P 0733 1  
: 746      0734 1      )
```

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Clear/Purge Node Parse States and Data  
Define Subexpressions from Library

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```
: 748      0735 1 %SBTTL 'Define Subexpressions from Library'
: 749      0736 1
: 750      0737 1
: 751      0738 1
: 752      0739 1
: 753      0740 1
: 754      0741 1
: 755      0742 1

                Define subexpressions from Library

                SEM_NODE_ID      ! Node id strings
                SEM_QUERY        ! Query state subexpressions
```

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Clear/Purge Node Parse States and Data  
Object Listing of Parse Table

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```
: 757      0743 1 %SBTTL 'Object Listing of Parse Table'
: 758      0744 1
: 759      0745 1 END                                !End of module
: 760      0746 0 ELUDOM
```



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